

Title (en)
Reinforced small intestinal submucosa

Title (de)
Verstärkte Submucosaschicht des Dünndarms

Title (fr)
Sous-muqueuse de l'intestin grêle renforcée

Publication
EP 1177800 B1 20050209 (EN)

Application
EP 01306559 A 20010731

Priority
US 22339900 P 20000804

Abstract (en)
[origin: EP1177800A1] A bioprosthetic device 10 is provided for soft tissue attachment, reinforcement, and or reconstruction. The device comprises a naturally occurring extracellular matrix portion 12 and a synthetic portion 14. In illustrated embodiments, the naturally occurring extracellular matrix portion comprises layers 16, 18 of small intestine submucosa, and the synthetic portion comprises one or more rows 26 of fibers 28 or mesh 32 positioned between layers of the small intestine submucosa.

IPC 1-7
A61L 27/36; A61L 27/40

IPC 8 full level
A61B 17/00 (2006.01); **A61F 2/00** (2006.01); **A61F 2/02** (2006.01); **A61F 2/08** (2006.01); **A61L 27/00** (2006.01); **A61L 27/18** (2006.01); **A61L 27/36** (2006.01); **A61L 27/40** (2006.01); **A61F 2/28** (2006.01); **A61F 2/30** (2006.01); **A61F 2/38** (2006.01); **A61F 2/44** (2006.01)

CPC (source: EP US)
A61F 2/0063 (2013.01 - EP US); **A61F 2/08** (2013.01 - EP US); **A61L 27/18** (2013.01 - EP US); **A61L 27/3629** (2013.01 - EP US); **A61L 27/3633** (2013.01 - EP US); **A61L 27/3641** (2013.01 - EP US); **A61L 27/3683** (2013.01 - EP US); **A61L 27/40** (2013.01 - EP US)

C-Set (source: EP US)
A61L 27/18 + C08L 67/04

Cited by
EP1494597A4; EP3443990A4; EP2175800A4; GB2411360A; GB2411360B; CN111163704A; US10603408B2; US10232087B2; WO2014164769A1; WO03095609A3; WO2014070896A1; WO2014105875A1; US9433489B2; US10583220B2; US11395865B2; US9757132B2; US10758644B2; US10792393B2; US11013590B2; US11951232B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
EP 1177800 A1 20020206; EP 1177800 B1 20050209; AT E288768 T1 20050215; AU 5781301 A 20020207; AU 775541 B2 20040805; DE 60108818 D1 20050317; DE 60108818 T2 20060209; JP 2002113025 A 20020416; JP 4194774 B2 20081210; US 2002038151 A1 20020328; US 2004059431 A1 20040325; US 2007129811 A1 20070607; US 6638312 B2 20031028; US 7160333 B2 20070109; US 7799089 B2 20100921

DOCDB simple family (application)
EP 01306559 A 20010731; AT 01306559 T 20010731; AU 5781301 A 20010806; DE 60108818 T 20010731; JP 2001238270 A 20010806; US 54807106 A 20061010; US 65634503 A 20030905; US 91811601 A 20010730